

Appendix C. Air Quality Model Outputs

Title : Sacramento County Subarea Annual CYr 2030 Default Title
Version : Emfac2007 V2.3 Nov 1 2006
Run Date : 2008/01/07 11:43:41
Scen Year: 2030 -- All model years in the range 1986 to 2030 selected
Season : Annual
Area : Sacramento County
I/M Stat : Enhanced Interim (2005)
Emissions: Tons Per Day

	LDA-NCAT	LDA-CAT	LDA-DSL	LDA-TOT	LDT1-NCAT	LDT1-CAT	LDT1-DSL	LDT1-TOT	LDT2-NCAT	LDT2-CAT	LDT2-DSL	LDT2-TOT	MDV-NCAT	MDV-CAT	MDV-DSL	MDV-TOT	LHDT1-NCAT	LHDT1-CAT	LHDT1-DSL	LHDT1-TOT	LHDT2-NCAT
Vehicles	0	645788	86	645874	0	135042	1078	136120	0	290806	70	290876	0	128766	98	128864	0	21051	5338	26389	0
VMT/1000	0	19760	1	19761	0	4190	18	4208	0	8917	1	8918	0	4200	2	4202	0	749	185	934	0
Trips	0	3992960	415	3993380	0	824889	5015	829904	0	1768530	317	1768850	0	780098	479	780577	0	696081	67143	763224	0
Reactive Organic Gas Emissions																					
Run Exh	0	0.18	0	0.18	0	0.04	0	0.05	0	0.17	0	0.17	0	0.12	0	0.12	0	0.03	0.02	0.06	0
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.03	0	0.03	0
Start Ex	0	0.29	0	0.29	0	0.07	0	0.07	0	0.28	0	0.28	0	0.18	0	0.18	0	0.17	0	0.17	0
Total Ex	0	0.47	0	0.47	0	0.11	0	0.12	0	0.45	0	0.45	0	0.29	0	0.3	0	0.22	0.03	0.25	0
Diurnal	0	0.17	0	0.17	0	0.04	0	0.04	0	0.17	0	0.17	0	0.08	0	0.08	0	0	0	0	0
Hot Soak	0	0.4	0	0.4	0	0.1	0	0.1	0	0.3	0	0.3	0	0.14	0	0.14	0	0.03	0	0.03	0
Running	0	0.96	0	0.96	0	0.39	0	0.39	0	1.15	0	1.15	0	0.51	0	0.51	0	0.43	0	0.43	0
Resting	0	0.13	0	0.13	0	0.03	0	0.03	0	0.14	0	0.14	0	0.07	0	0.07	0	0	0	0	0
Total	0	2.12	0	2.12	0	0.68	0	0.68	0	2.21	0	2.21	0	1.09	0	1.09	0	0.69	0.03	0.71	0
Carbon Monoxide Emissions																					
Run Exh	0	11.71	0	11.71	0	2.92	0.01	2.93	0	9.99	0	9.99	0	6.46	0	6.46	0	0.47	0.2	0.67	0
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.16	0.01	0.17	0
Start Ex	0	4.72	0	4.72	0	1.21	0	1.21	0	4.3	0	4.3	0	2.63	0	2.63	0	2.33	0	2.33	0
Total Ex	0	16.43	0	16.43	0	4.13	0.01	4.14	0	14.29	0	14.29	0	9.09	0	9.09	0	2.96	0.2	3.17	0
Oxides of Nitrogen Emissions																					
Run Exh	0	0.9	0	0.9	0	0.23	0.03	0.25	0	0.92	0	0.93	0	0.59	0	0.6	0	0.13	0.3	0.43	0
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.02	0.02	0
Start Ex	0	0.24	0	0.24	0	0.06	0	0.06	0	0.29	0	0.29	0	0.17	0	0.17	0	1.01	0	1.01	0
Total Ex	0	1.13	0	1.14	0	0.29	0.03	0.31	0	1.21	0	1.22	0	0.76	0	0.77	0	1.14	0.31	1.46	0
Carbon Dioxide Emissions (000)																					
Run Exh	0	7.71	0	7.71	0	2.06	0.01	2.07	0	4.47	0	4.47	0	2.87	0	2.87	0	0.8	0.11	0.91	0
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0.01	0	0.01	0
Start Ex	0	0.31	0	0.31	0	0.08	0	0.08	0	0.18	0	0.18	0	0.11	0	0.11	0	0.03	0	0.03	0
Total Ex	0	8.02	0	8.02	0	2.14	0.01	2.15	0	4.65	0	4.65	0	2.97	0	2.97	0	0.84	0.11	0.95	0
PM10 Emissions																					
Run Exh	0	0.22	0	0.22	0	0.05	0	0.05	0	0.25	0	0.25	0	0.13	0	0.13	0	0.01	0.01	0.02	0
Idle Exh	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Start Ex	0	0.03	0	0.03	0	0.01	0	0.01	0	0.03	0	0.03	0	0.01	0	0.01	0	0	0	0	0
Total Ex	0	0.24	0	0.24	0	0.06	0	0.06	0	0.28	0	0.28	0	0.15	0	0.15	0	0.01	0.01	0.02	0
TireWear	0	0.17	0	0.17	0	0.04	0	0.04	0	0.08	0	0.08	0	0.04	0	0.04	0	0.01	0	0.01	0
BrakeWr	0	0.27	0	0.27	0	0.06	0	0.06	0	0.12	0	0.12	0	0.06	0	0.06	0	0.01	0	0.01	0
Total	0	0.69	0	0.69	0	0.15	0	0.15	0	0.48	0	0.48	0	0.24	0	0.24	0	0.04	0.01	0.05	0
Lead	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
SOx	0	0.08	0	0.08	0	0.02	0	0.02	0	0.04	0	0.04	0	0.03	0	0.03	0	0.01	0	0.01	0
Fuel Consumption (000 gallons)																					
Gasoline	0	823.43	0	823.43	0	219.77	0	219.77	0	478.42	0	478.42	0	305.82	0	305.82	0	86.54	0	86.54	0
Diesel	0	0	0.05	0.05	0	0	0.61	0.61	0	0	0.04	0.04	0	0	0.07	0.07	0	0	9.59	9.59	0

LHDT2-CA	LHDT2-DS	LHDT2-TO	MHDT-NC/	MHDT-CA1	MHDT-DSL	MHDT-TO1	HHDT-NC/	HHDT-CAT	HHDT-DSL	HHDT-TOT	OBUS-NC/	OBUS-CA1	OBUS-DSL	OBUS-TOT	SBUS-NC/	SBUS-CAT	SBUS-DSL	SBUS-TOT	UB-NCAT	UB-CAT	UB-DSL
6195	4647	10842	0	4196	15928	20124	0	158	4840	4998	0	360	1084	1444	0	111	904	1014	0	207	234
219	162	381	0	162	744	905	0	9	782	791	0	12	53	65	0	4	33	37	0	22	25
204851	58453	263304	0	191623	446618	638241	0	7204	24495	31698	0	16447	30398	46845	0	442	3615	4057	0	828	935
0	0.02	0.02	0	0.01	0.08	0.08	0	0.01	0.23	0.24	0	0	0.01	0.01	0	0	0.01	0.02	0	0.01	0.01
0.01	0	0.01	0	0.01	0.01	0.01	0	0	0.07	0.07	0	0	0	0	0	0	0	0	0	0	0
0.04	0	0.04	0	0.09	0	0.09	0	0.02	0	0.02	0	0.01	0	0.01	0	0	0	0	0	0	0
0.05	0.02	0.07	0	0.11	0.08	0.19	0	0.03	0.3	0.33	0	0.01	0.01	0.02	0	0.01	0.01	0.02	0	0.02	0.01
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.01	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.07	0	0.07	0	0.08	0	0.08	0	0.01	0	0.01	0	0.01	0	0.01	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.13	0.02	0.15	0	0.19	0.08	0.28	0	0.03	0.3	0.33	0	0.02	0.01	0.03	0	0.01	0.01	0.02	0	0.02	0.01
0.07	0.15	0.22	0	0.1	0.98	1.08	0	0.26	1.01	1.27	0	0.01	0.07	0.08	0	0.04	0.11	0.16	0	0.17	0.06
0.05	0	0.05	0	0.05	0.05	0.1	0	0	0.4	0.4	0	0	0	0.01	0	0.01	0.01	0.02	0	0	0
0.58	0	0.58	0	1.64	0	1.64	0	0.37	0	0.37	0	0.19	0	0.19	0	0.01	0	0.01	0	0.04	0
0.7	0.16	0.86	0	1.79	1.03	2.82	0	0.63	1.41	2.03	0	0.21	0.07	0.28	0	0.06	0.13	0.19	0	0.21	0.06
0.03	0.21	0.23	0	0.04	1.05	1.09	0	0.05	2.12	2.17	0	0.01	0.07	0.07	0	0.01	0.25	0.26	0	0.06	0.24
0	0.01	0.01	0	0	0.13	0.13	0	0	1.1	1.1	0	0	0.01	0.01	0	0	0.04	0.04	0	0	0
0.27	0	0.27	0	0.2	0	0.2	0	0.05	0	0.05	0	0.03	0	0.03	0	0	0	0	0	0.01	0
0.29	0.22	0.52	0	0.25	1.18	1.42	0	0.1	3.22	3.32	0	0.03	0.08	0.11	0	0.01	0.29	0.3	0	0.06	0.24
0.23	0.09	0.33	0	0.12	1.23	1.36	0	0.01	1.58	1.59	0	0.01	0.09	0.1	0	0	0.05	0.06	0	0.02	0.07
0	0	0	0	0	0.01	0.01	0	0	0.06	0.06	0	0	0	0	0	0	0	0	0	0	0
0.01	0	0.01	0	0.01	0	0.01	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0.25	0.09	0.34	0	0.13	1.24	1.37	0	0.01	1.64	1.64	0	0.01	0.09	0.1	0	0	0.06	0.06	0	0.02	0.07
0	0	0.01	0	0	0.09	0.09	0	0	0.08	0.08	0	0	0.01	0.01	0	0	0.01	0.01	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0.01	0	0	0.09	0.09	0	0	0.08	0.08	0	0	0.01	0.01	0	0	0.01	0.01	0	0	0
0	0	0.01	0	0	0.01	0.01	0	0	0.03	0.03	0	0	0	0	0	0	0	0	0	0	0
0	0	0.01	0	0	0.01	0.01	0	0	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0
0.01	0.01	0.02	0	0.01	0.11	0.12	0	0	0.14	0.14	0	0	0.01	0.01	0	0	0.02	0.02	0	0	0
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0.01	0.01	0	0	0.02	0.02	0	0	0	0	0	0	0	0	0	0	0
25.35	0	25.35	0	13.79	0	13.79	0	0.7	0	0.7	0	1.07	0	1.07	0	0.39	0	0.39	0	1.93	0
0	8.42	8.42	0	0	111.69	111.69	0	0	147.49	147.49	0	0	7.92	7.92	0	0	5.12	5.12	0	0	6.04

UB-TOT	MH-NCAT	MH-CAT	MH-DSL	MH-TOT	MCY-NCA	MCY-CAT	MCY-DSL	MCY-TOT	ALL-TOT
441	0	9395	1046	10441	14925	29419	0	44343	1321770
48	0	107	11	118	105	212	0	316	40685
1763	0	940	105	1044	29846	58831	0	88678	9211560
0.02	0	0	0	0	0.44	0.43	0	0.87	1.82
0	0	0	0	0	0	0	0	0	0.12
0	0	0	0	0	0.08	0.13	0	0.21	1.38
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0.03	0	0	0	0	0.52	0.56	0	1.08	3.32
0	0	0	0	0	0	0.09	0	0.09	0.55
0	0	0	0	0	0	0.03	0	0.03	1.01
0	0	0	0	0	0	0.12	0	0.12	3.73
0	0	0	0	0	0	0.04	0	0.04	0.41
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0.03	0	0	0	0	0.52	0.85	0	1.37	9.02
0.23	0	0.04	0.01	0.05	5.53	2.1	0	7.63	42.48
0	0	0	0	0	0	0	0	0	0.74
0.04	0	0.01	0	0.01	0.26	0.85	0	1.11	19.13
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0.27	0	0.05	0.01	0.06	5.79	2.95	0	8.74	62.35
0.29	0	0.03	0.03	0.06	0.16	0.24	0	0.4	7.69
0	0	0	0	0	0	0	0	0	1.31
0.01	0	0	0	0	0.01	0.02	0	0.03	2.34
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0.3	0	0.03	0.03	0.06	0.18	0.26	0	0.43	11.34
0.09	0	0.08	0.02	0.1	0.01	0.04	0	0.06	21.69
0	0	0	0	0	0	0	0	0	0.08
0	0	0	0	0	0	0	0	0	0.73
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0.09	0	0.08	0.02	0.1	0.02	0.05	0	0.06	22.49
0	0	0	0	0	0.01	0	0	0.01	0.88
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0.08
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0	0	0	0	0	0.01	0	0	0.01	0.97
0	0	0	0	0	0	0	0	0	0.39
0	0	0	0	0	0	0	0	0	0.57
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0.01	0	0	0	0	0.01	0	0	0.01	1.93
0	0	0	0	0	0	0	0	0	0
0	0	0	0	0	0	0	0	0	0.22
1.93	0	8.26	0	8.26	2.69	5.3	0	7.99	1973.47
6.04	0	0	1.71	1.71	0	0	0	0	298.75

TABLE C-1

COMPARISON OF REGIONAL TRANSPORTATION PERFORMANCE MEASURES

Performance Measure	City of Sacramento				Six County Region			
	2005 Base Year	2030 No Project	2030 General Plan	Percent Change: 2030 Scenarios	2005 Base Year	2030 No Project	2030 General Plan	Percent Change: 2030 Scenarios
Population	497,200	580,000	676,000	16.6%	2,089,159	3,491,952	3,491,952	0.0%
Households	182,800	232,045	276,191	19.0%	768,073	1,283,806	1,283,806	0.0%
Employment	353,900	459,130	457,359	-0.4%	985,018	1,540,086	1,538,982	0.1%
Daily Vehicle Trips	2,428,301	3,333,599	3,453,042	3.6%	7,084,233	11,523,052	11,351,540	-1.5%
Daily Person Trips	3,105,136	4,328,717	4,699,733	8.6%	9,506,615	15,691,006	15,616,959	-0.5%
Daily Vehicle Miles Traveled (VMT)	18,318,977	25,068,166	25,363,131	1.2%	48,367,743	74,892,121	73,793,936	-1.5%
Daily Vehicle Trips per Capita	4.9	5.7	5.1	-11.1%	3.4	3.3	3.3	-1.5%
Daily Person Trips per Capita	6.2	7.5	7.0	-6.8%	4.6	4.5	4.5	-0.5%
Daily VMT per Capita	36.8	43.2	37.5	-13.2%	23.2	21.4	21.1	-1.5%

Source: Fehr & Peers, 2008.

California Greenhouse Gas Emissions and Sink Summary: 1990 to 2004 (MTCO2Eq.)

Source	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	Average
Transportation (CO2)	177.6	172.7	178.5	175.2	180.7	183.2	184.5	188.3	191.0	194.3	200.3	201.2	209.7	199.1	207.2	189.6
Transportation (CH4)	1.3	0.1	0.1	0.8	0.2	1.1	0.2	0.9	0.7	0.6	0.9	0.6	0.8	0.8	0.7	0.6
Transportation (N2O2)	17.2	16.4	16.3	16.3	15.5	15.5	15.0	14.3	14.3	14.1	14.7	14.3	14.1	13.7	13.0	15.0
Transportation (Total CO2Eq)	196.1	189.3	194.9	192.2	196.4	199.8	199.7	203.5	206.0	209.0	215.8	216.1	224.5	213.5	220.9	205.2
Ratio Trans nonCO2/Trans. CO2Eq	9.4%	8.7%	8.4%	8.9%	8.0%	8.3%	7.6%	7.5%	7.3%	7.0%	7.2%	6.9%	6.6%	6.8%	6.2%	7.6%
Electricity Generation (In State)	40.2	40.3	48.2	44.2	53.2	40.1	37.4	40.2	43.9	47.4	57.2	61.8	46.2	48.6	51.9	46.7
Electricity Generation (Import)	47.7	47.5	47.4	45.0	47.6	42.4	44.8	51.8	58.3	57.0	44.6	52.2	57.0	62.2	67.0	51.5
Electricity Generation (Total)	88.0	87.9	95.6	89.2	100.9	82.6	82.1	92.0	102.2	104.4	101.9	114.1	103.2	110.8	118.9	98.2
Ratio Electricity Import/Electricity Total	54.3%	54.1%	49.6%	50.4%	47.2%	51.4%	54.5%	56.3%	57.1%	54.6%	43.8%	45.8%	55.2%	56.1%	56.3%	52.4%
Ratio Electricity/Transportation	44.9%	46.4%	49.0%	46.4%	51.3%	41.3%	41.1%	45.2%	49.6%	49.9%	47.2%	52.8%	45.9%	51.9%	53.8%	47.9%

Linear Regression: Tot Elec vs Trans CO2	Slope	T CO2	Intercept	Pred Tot Elec	Note: Intercept Set to 0)
	0.5190	161.1	0.0	83.6	
	0.5190	181.7	0.0	94.3	
	0.5190	188	0.0	97.6	

General Plan Area Operational Emissions – Year 2030						
Pollutant/Source	Under 1988 General Plan		Under Proposed General Plan		Net Emissions	
	General Plan Area (tons/day)	Six-County Region (tons/day)	General Plan Area (tons/day)	Six-County Region (tons/day)	General Plan Area (tons/day)	Six-County Region (tons/day)
ROG						
Areawide	13.2	39.4	13.4	38.9	0.16	-0.58
On-Road Mobile	7.8	23.4	7.9	23.0	0.09	-0.34
Total	21.0	62.8	21.3	61.9	0.25	-0.92
NOX						
Areawide	1.3	3.9	1.3	3.9	0.02	-0.06
On-Road Mobile	8.5	25.5	8.6	25.1	0.10	-0.37
Total	9.8	29.4	10.0	29.0	0.12	-0.43
CO2						
Areawide	2,903	8,673	2,937	8,545	34	-127
Total Mobile	39,399	117,706	39,863	115,980	464	-1726
Electricity Generation	20,450	61,095	20,691	60,199	241	-896
Total	62,752	187,474	63,490	184,725	738	-2,749

Table 1. Floor Area (Existing and Buildout)

Land Use & Urban Form Designations	Existing (2005) ¹ Floor Area (sf)			
	Retail	Office	Industrial	Public
Rural Residential	0	0	0	0
Suburban Low Density	0	0	0	0
Suburban Medium Density	207,328	0	0	0
Suburban High Density	0	0	0	0
Traditional Low Density	0	0	0	0
Traditional Medium Density	182,976	0	0	0
Traditional High Density	0	0	0	0
Urban Low Density	165,154	0	0	0
Urban Medium Density	281,197	0	0	0
Urban High Density	0	0	0	0
Suburban Center	3,478,921	0	0	0
Traditional Center	3,041,141	0	0	0
Regional Commercial	941,706	14,804	0	0
Urban Center Low	2,612,751	2,529,724	0	0
Urban Center High	3,224,270	2,579,396	0	0
Central Business District	4,672,872	14,921,305	0	0
Suburban Corridor	3,246,757	987,423	0	0
Urban Corridor Low	5,259,277	6,152,290	0	0
Urban Corridor High	1,592,204	4,063,602	0	0
Employment Center Low-Rise	1,955,340	4,159,017	12,194,058	0
Employment Center Mid-Rise	1,421,004	3,633,049	0	0
Industrial	0	0	6,664,129	0
Public	0	0	0	6,073,897
Parks and Recreation	0	0	0	704,055
Open Space	0	0	0	0
Special District	0	0	0	0
Planned Development ²	0	0	0	0
Traffic Model Educational Employees	0	0	0	0
TOTAL	32,282,897	39,040,609	18,858,187	6,777,951

1) Source: SACOG and City of Sacramento, 2005

2) Planned Development includes Camino Norte, Centrage, Greenbriar, and the Railyard. These should not be used as opportunity area indicators. These should be added together to yield the sum for Planned Development

3) Only includes the sum of positive net new growth.

4) 2005-2030 Net new growth shows negative numbers in some instances due to existing conditions changing from what is currently (2005) on the ground and what is assumed under the Preferred Plan. This is due in large part to redevelopment and conversion on pipeline project sites.

NOTE: THE INFORMATION IN THIS DATABASE IS AS OF JULY 13, 2007; DATABASE LAST UPDATED BY MINTIER & ASSOCIATES AUGUST 7, 2007

2005 - 2030 Net New Growth⁴

Units ³			Floor Area (sf)			
	Attached	Detached	Retail	Office	Industrial	Public
5	0	5	0	0	0	0
2,861	442	2,419	0	0	0	0
3,367	1,099	2,268	8,969	0	0	0
1,622	793	829	0	0	0	0
-26	75	-101	0	0	0	0
936	434	502	67	0	0	0
673	-104	777	0	0	0	0
1,526	899	628	528,132	0	0	0
5,614	4,368	1,246	163,333	0	0	0
-1,266	-1,193	-73	0	0	0	0
59	36	23	545,623	0	0	0
1,729	1,723	5	-554,396	0	0	0
169	169	0	648,227	445,957	0	0
11,095	8,808	2,287	59,225	2,215,811	0	0
15,219	15,090	129	2,761,116	4,540,799	0	0
12,695	12,695	0	822,800	2,614,512	0	0
2,001	2,256	-255	1,919,871	101,743	0	0
4,206	4,568	-362	1,406,151	-44,407	0	0
4,212	4,199	13	1,630,533	-936,428	0	0
459	416	44	-413,191	1,551,599	3,160,119	0
2,137	2,031	105	717,337	6,149,426	0	0
-3	0	-3	0	0	1,349,599	0
1,340	829	511	0	0	0	-170,261
2,638	2,038	600	0	0	0	-58,964
0	0	0	0	0	0	0
4	1	3	0	0	0	0
23,999	12,921	11,078	0	0	0	0
			0	0	0	0
29,689	29,033	657	10,243,795	16,639,011	4,509,718	-229,225

2030 Dial Down

Units	Attached	Detached	Floor Area (sf)			
			Retail	Office	Industrial	Public
307	0	307	0	0	0	0
80,866	6,326	74,540	0	0	0	0
25,112	18,419	6,693	216,297	0	0	0
4,610	3,772	838	0	0	0	0
44,959	7,382	37,577	0	0	0	0
8,197	7,223	974	183,043	0	0	0
9,376	8,086	1,290	0	0	0	0
1,887	1,125	762	693,286	0	0	0
5,974	4,594	1,380	444,529	0	0	0
0	0	0	0	0	0	0
800	608	192	4,024,545	0	0	0
2,203	2,096	107	2,486,745	0	0	0
169	169	0	1,589,933	460,761	0	0
12,123	9,224	2,899	2,671,976	4,745,535	0	0
16,702	16,521	182	5,985,386	7,120,195	0	0
14,979	14,978	1	5,495,671	17,535,817	0	0
3,638	3,371	266	5,166,627	1,089,166	0	0
6,760	6,559	200	6,665,428	6,107,883	0	0
5,636	5,607	29	3,222,738	3,127,174	0	0
803	556	247	1,542,149	5,710,616	15,354,177	0
2,154	2,039	115	2,138,341	9,782,475	0	0
45	45	0	0	0	8,013,729	0
1,836	1,000	837	0	0	0	5,903,636
3,046	2,214	831	0	0	0	645,091
0	0	0	0	0	0	0
4	1	3	0	0	0	0
24,004	12,921	11,083	0	0	0	0
			0	0	0	0
38,899	36,370	2,529	42,526,692	55,679,621	23,367,906	6,548,726

Table 2. URBEMIS Land Use Assumptions (Basic Model Inputs)			
URBEMIS Category	Land Use Designations	2005	2030 Drill down
Retail			
Convenience market (w/gas)	SHDR, ULDR, EC(LR), EC(HR)	3,748,825	4,590,073
Supermarket	THDR, UMDR	464,173	627,572
Strip mall	SCor, UCorHigh	4,838,961	8,389,365
Pharmacy	TCnt, UCntLow	5,653,892	5,158,720
Regional shopping center	SCnt, RC,	4,420,628	5,614,478
Fast food restaurant	UCorLow	5,259,277	6,665,428
Restaurant (quality)	UCntHigh, CBC	7,897,141	11,481,057
<i>Total</i>		<i>32,282,897</i>	<i>42,526,692</i>
Office			
Office park	EC(LR), EC(HR)	7,792,066	15,493,091
Medical office	RC, UCntLow, UCntHigh, CBC, S	31,248,543	40,186,530
<i>Total</i>		<i>39,040,609</i>	<i>55,679,621</i>
Industrial	All	18,858,187	23,367,906
Public			
High school	50% of total	3,388,976	3,274,363
Library	50% of total	3,388,976	3,274,363
<i>Total</i>		<i>6,777,951</i>	<i>6,548,726</i>
Dwelling units			
Single family	Detached	1,873	2,529
Apartments (low rise)	80% of Attached	5,870	29,096
Apartments (mid rise)	20% of Attached	1,467	7,274
<i>Total</i>		<i>9,210</i>	<i>38,899</i>
Park (acres)	All	7,012	7,012

Table 3. Electricity Use and Emissions													
Land Use Category	Land Use Designations	2005	2030 Drill down	Electricity Factor (kWh/sf or du)	Electricity Consumption, 2005 (mWh)	Electricity Consumption, 2030 (mWh)	CCAR Emissions factor (lbs CO2/mWh)	CCAR Emissions factor (N2O/mWh)	CCAR Emissions factor (CH4/mWh)	CO2E emissions, 2005 (tons/yr)	CO2E emissions, 2005 (tons/day)	CO2E emissions, 2030 (tons/yr)	CO2E emissions, 2030
Retail	SHDR, ULDR, EC(LR), EC(HR), THDR, UMDR, SCor, UCorHigh, TCnt, UCntLow, SCnt, RC	19,126,479	24,380,208	14.06	268,918	342,786	804.54	0.0067	0.0037	108,456	297	138,247	379
Restaurant	UCorLow, UCntHigh, CBC	13,156,418	18,146,484	40.2	528,888	729,489	804.54	0.0067	0.0037	213,303	584	294,206	806
Office (small)	EC(LR), EC(HR), RC, UCntLow, UCntHigh, CBC, SCor, UCorHigh, UCorLow	39,040,609	55,679,621	13.1	511,432	729,403	804.54	0.0067	0.0037	206,263	565	294,171	806
Industrial	All	18,858,187	23,367,906	4.45	83,919	103,987	804.54	0.0067	0.0037	33,845	93	41,938	115
Public		6,777,951	6,548,726	7.46	50,564	48,853	804.54	0.0067	0.0037	20,392	56	19,703	54
Dwelling units							804.54	0.0067	0.0037	-	-	-	-
Single family		1,873	2,529	7,105	13,305	17,970	804.54	0.0067	0.0037	5,366	15	7,247	20
Apartments (low rise)		5,870	29,096	3,877	22,758	112,805	804.54	0.0067	0.0037	9,178	25	45,495	125
Apartments (mid rise)		1,467	7,274	3,807	5,587	27,692	804.54	0.0067	0.0037	2,253	6	11,168	31
					1,485,370	2,112,986				599,056	1,641	852,176	2,335
Note:	Energy factors for non-residential uses are from CEC, 2006. Commercial End Use Study. Table 8-1.												
	Energy factors for residential uses are from CEC, 2004. California Statewide Residential Appliance Saturation Study. Table 2-3.												

Table 4. Water Treatment and Distribution Emissions

Year	Water Demand (million gallons)	Electricity		CCAR Emissions			CO2E emissions (tons/yr)	CO2E emissions (tons/day)
		Factor (kWh/million gallons)	Electricity Consumption, 2005 (mWh)	factor (lbs CO2/mWh)	CCAR Emissions factor (N2O/mWh)	CCAR Emissions factor (CH4/mWh)		
2004	78,140	3,950	308,654	804.54	0.0067	0.0037	124,482	341
2030	84,570	3,950	334,050	804.54	0.0067	0.0037	134,724	369
			642,705				259,206	710

Note:

An electricity factor of 3,950 kWh/MG from CEC, 2005. California's Water-Energy Relationship was applied to the total projected water demand for the project. Water demand is from Appendix M, Table 27 (2004) and the table on page 2 of Appendix M, '2030 General Plan Water Demands'.

Table 5. Wastewater Emissions				
GREENHOUSE GAS EMISSIONS FROM WASTEWATER				
	2007	2030 Estimated (From Table 5-6)	Net change	
Population	467,343	641,000		
Wastewater Treatment Plant Emissions (lbs CH ₄ /yr)	729,055	999,960		
Wastewater Treatment Plant Emissions (tons CH ₄ /yr)	365	500		
Wastewater Treatment Plant Emissions (tons CO ₂ e/day)	21	29	8	

Table 6. Solid Waste Emissions				
GREENHOUSE GAS EMISSIONS FROM SOLID WASTE				
Solid Waste tons/year	Existing (2004)	2030 Estimated	Net change	
Residential	232,590	236,858	4,268	
Employment	451,498	458,548	7,050	
Total	684,088	695,406	11,318	
CH ₄ (tons/yr)	77,643	78,927	1,285	
CO ₂ e tons/year	1,630,495	1,657,471	26,976	
CO ₂ e (tons/day)	4,467	4,541	74	
1. Landfill gas emissions = Tons landfilled x.22x.77x.67. Estimates were obtained by multiplying the tons of solid waste landfilled annually (provided in Section 6.11, Public Utilities on page 6.11-66 of the Draft EIR) by the percent of degradable material they contain, by the percent dissimilated and by the pounds of gas produced per pound of biomass.				

Table 7. Mobile Emissions Summary Table

Performance Measure	General Plan Area			Six County Region		
	2005 Base Year	2030 No Project	2030 General Plan	2005 Base Year	2030 No Project	2030 General Plan
Daily Vehicle Trips	2,428,301	3,333,599	3,453,042	7,084,233	11,523,052	11,351,540
Daily Person Trips	3,105,136	4,328,717	4,699,733	9,506,615	15,691,006	15,616,959
Daily Vehicle Miles Traveled (VMT)	18,318,977	25,068,166	25,363,131	48,367,743	74,892,121	73,793,936
Source: Fehr & Peers, 2008.						
URBEMIS VMT Results ¹	18,318,971	25,068,160	25,363,131	48,367,738	74,892,117	73,793,930
CO2 Emissions (tons/year)	3,334,145	4,582,893	4,636,818	8,803,172	13,691,573	13,490,805
CO2 Emissions (tons/day)	9,135	12,556	12,704	24,118	37,511	36,961

Notes:

1. URBEMIS VMT results may vary slightly from traffic model VMT results due to rounding of large numbers. This does not substantially alter emissions model results.

Table 8. URBEMIS Outputs - 2005 Base Year for the General Plan Area

Page: 1

39745.48865

Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\21438\My Documents\Climate Change\Sac GPU\Sac GPU Mobile.urb924

Project Name: Sacramento General Plan Mobile Baseline

Project Location: Sacramento County AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Blank (Edit this description)	4776.86	6306.14	62250.42	56.68	5771.53	1118.62	3334145.01
TOTALS (tons/year, unmitigated)	4776.86	6306.14	62250.42	56.68	5771.53	1118.62	3334145.01

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2005 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)			100 1000 sq ft	18318.97	1831897.07	18318970.7
					1831897.07	18318970.7

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel	
Light Auto	48.5		3.1	96.5	0.4
Light Truck < 3750 lbs	10.1		6.9	84.2	8.9
Light Truck 3751-5750 lbs	22		1.8	97.7	0.5
Med Truck 5751-8500 lbs	9.9		2	97	1
Lite-Heavy Truck 8501-10,000 lbs	2.1		0	76.2	23.8
Lite-Heavy Truck 10,001-14,000 lbs	0.8		0	50	50
Med-Heavy Truck 14,001-33,000 lbs	1.5		6.7	20	73.3
Heavy-Heavy Truck 33,001-60,000 lbs	0.6		0	16.7	83.3
Other Bus	0.1		0	0	100
Urban Bus	0		0	0	0
Motorcycle	3.5		85.7	14.3	0
School Bus	0.1		0	0	100
Motor Home	0.8		12.5	75	12.5

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10	10	10	10	10	10
Rural Trip Length (miles)	15	10	10	15	10	10
Trip speeds (mph)	35	35	35	35	35	35
% of Trips - Residential	32.9	18	49.1			

% of Trips - Commercial (by land use)

Blank (Edit this description)		2	1	97
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Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 10 miles

Home-based shop urban trip length changed from 7.3 miles to 10 miles

Home-based other urban trip length changed from 7.5 miles to 10 miles

Commercial-based commute urban trip length changed from 10.8 miles to 10 miles

Commercial-based non-work urban trip length changed from 7.3 miles to 10 miles

Commercial-based customer urban trip length changed from 7.3 miles to 10 miles

Table 9. URBEMIS Outputs - 2030 No Project for the General Plan Area

39745.4898

Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\21438\My Documents\Climate Change\Sac GPU\Sac GPU Mobile.urb924

Project Name: Sacramento General Plan Mobile Baseline

Project Location: Sacramento County AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Blank (Edit this description)	1572.69	1404.8	17760.39	45.59	7847.88	1487.83	4582892.65
TOTALS (tons/year, unmitigated)	1572.69	1404.8	17760.39	45.59	7847.88	1487.83	4582892.65

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2030 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)		100	1000 sq ft	25068.16	2506816.02	25068160.16
					2506816.02	25068160.16

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	47.5	0	100	0
Light Truck < 3750 lbs	10	0	99	1
Light Truck 3751-5750 lbs	22.9	0	100	0
Med Truck 5751-8500 lbs	10.1	0	100	0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0	81	19
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0	55.6	44.4
Med-Heavy Truck 14,001-33,000 lbs	1.6	0	18.8	81.2
Heavy-Heavy Truck 33,001-60,000 lbs	0.4	0	0	100
Other Bus	0.1	0	0	100
Urban Bus	0	0	0	0
Motorcycle	3.5	34.3	65.7	0
School Bus	0.1	0	0	100
Motor Home	0.8	0	87.5	12.5

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10	10	10	10	10	10
Rural Trip Length (miles)	15	10	10	15	10	10
Trip speeds (mph)	35	35	35	35	35	35
% of Trips - Residential	32.9	18	49.1			

% of Trips - Commercial (by land use)

Blank (Edit this description)	2	1	97
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Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 10 miles

Home-based shop urban trip length changed from 7.3 miles to 10 miles

Home-based other urban trip length changed from 7.5 miles to 10 miles

Commercial-based commute urban trip length changed from 10.8 miles to 10 miles

Commercial-based non-work urban trip length changed from 7.3 miles to 10 miles

Commercial-based customer urban trip length changed from 7.3 miles to 10 miles

Table 10. URBEMIS Outputs - 2030 General Plan for the General Plan Area

39745.49015

Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\21438\My Documents\Climate Change\Sac GPU\Sac GPU Mobile.urb924

Project Name: Sacramento General Plan Mobile Baseline

Project Location: Sacramento County AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Blank (Edit this description)	1591.19	1421.33	17969.37	46.12	7940.23	1505.34	4636818.39
TOTALS (tons/year, unmitigated)	1591.19	1421.33	17969.37	46.12	7940.23	1505.34	4636818.39

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2030 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)			100 1000 sq ft	25363.13	2536313.09	25363130.86
					2536313.09	25363130.86

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto		47.5	0	100
Light Truck < 3750 lbs		10	0	99
Light Truck 3751-5750 lbs		22.9	0	100
Med Truck 5751-8500 lbs		10.1	0	100
Lite-Heavy Truck 8501-10,000 lbs		2.1	0	81
Lite-Heavy Truck 10,001-14,000 lbs		0.9	0	55.6
Med-Heavy Truck 14,001-33,000 lbs		1.6	0	18.8
Heavy-Heavy Truck 33,001-60,000 lbs		0.4	0	0
Other Bus		0.1	0	0
Urban Bus		0	0	0
Motorcycle		3.5	34.3	65.7
School Bus		0.1	0	0
Motor Home		0.8	0	87.5

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10	10	10	10	10	10
Rural Trip Length (miles)	15	10	10	15	10	10
Trip speeds (mph)	35	35	35	35	35	35
% of Trips - Residential	32.9	18	49.1			

% of Trips - Commercial (by land use)

Blank (Edit this description)	2	1	97
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Operational Changes to Defaults

- Home-based work urban trip length changed from 10.8 miles to 10 miles
- Home-based shop urban trip length changed from 7.3 miles to 10 miles
- Home-based other urban trip length changed from 7.5 miles to 10 miles
- Commercial-based commute urban trip length changed from 10.8 miles to 10 miles
- Commercial-based non-work urban trip length changed from 7.3 miles to 10 miles
- Commercial-based customer urban trip length changed from 7.3 miles to 10 miles

Table 11. URBEMIS Outputs - 2005 Base Year for the Six County Area

39745.48936

Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\21438\My Documents\Climate Change\Sac GPU\Sac GPU Mobile.urb924

Project Name: Sacramento General Plan Mobile Baseline

Project Location: Sacramento County AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Blank (Edit this description)	12612.39	16650.16	164360.33	149.65	15238.62	2953.49	8803172.18
TOTALS (tons/year, unmitigated)	12612.39	16650.16	164360.33	149.65	15238.62	2953.49	8803172.18

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2005 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)			100 1000 sq ft	48367.74	4836773.83	48367738.28
					4836773.83	48367738.28

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto		48.5	3.1	96.5
Light Truck < 3750 lbs		10.1	6.9	84.2
Light Truck 3751-5750 lbs		22	1.8	97.7
Med Truck 5751-8500 lbs		9.9	2	97
Lite-Heavy Truck 8501-10,000 lbs		2.1	0	76.2
Lite-Heavy Truck 10,001-14,000 lbs		0.8	0	50
Med-Heavy Truck 14,001-33,000 lbs		1.5	6.7	20
Heavy-Heavy Truck 33,001-60,000 lbs		0.6	0	16.7
Other Bus		0.1	0	0
Urban Bus		0	0	0
Motorcycle		3.5	85.7	14.3
School Bus		0.1	0	0
Motor Home		0.8	12.5	75

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10	10	10	10	10	10
Rural Trip Length (miles)	15	10	10	15	10	10
Trip speeds (mph)	35	35	35	35	35	35
% of Trips - Residential	32.9	18	49.1			

% of Trips - Commercial (by land use)

Blank (Edit this description)	2	1	97
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Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 10 miles

Home-based shop urban trip length changed from 7.3 miles to 10 miles

Home-based other urban trip length changed from 7.5 miles to 10 miles

Commercial-based commute urban trip length changed from 10.8 miles to 10 miles

Commercial-based non-work urban trip length changed from 7.3 miles to 10 miles

Commercial-based customer urban trip length changed from 7.3 miles to 10 miles

Table 12. URBEMIS Outputs - 2030 No Project for the Six County Area

39745.49047

Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\21438\My Documents\Climate Change\Sac GPU\Sac GPU Mobile.urb924

Project Name: Sacramento General Plan Mobile Baseline

Project Location: Sacramento County AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Blank (Edit this description)	4698.46	4196.9	53059.86	136.19	23445.86	4444.96	13691572.55
TOTALS (tons/year, unmitigated)	4698.46	4196.9	53059.86	136.19	23445.86	4444.96	13691572.55

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2030 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)			100 1000 sq ft	74892.12	7489211.72	74892117.19
					7489211.72	74892117.19

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	47.5	0	100	0
Light Truck < 3750 lbs	10	0	99	1
Light Truck 3751-5750 lbs	22.9	0	100	0
Med Truck 5751-8500 lbs	10.1	0	100	0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0	81	19
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0	55.6	44.4
Med-Heavy Truck 14,001-33,000 lbs	1.6	0	18.8	81.2
Heavy-Heavy Truck 33,001-60,000 lbs	0.4	0	0	100
Other Bus	0.1	0	0	100
Urban Bus	0	0	0	0
Motorcycle	3.5	34.3	65.7	0
School Bus	0.1	0	0	100
Motor Home	0.8	0	87.5	12.5

Travel Conditions

	Residential Home-Work	Home-Shop	Home-Other	Commercial Commute	Non-Work	Customer
Urban Trip Length (miles)	10	10	10	10	10	10
Rural Trip Length (miles)	15	10	10	15	10	10
Trip speeds (mph)	35	35	35	35	35	35
% of Trips - Residential	32.9	18	49.1			

% of Trips - Commercial (by land use)

Blank (Edit this description)	2	1	97
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Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 10 miles

Home-based shop urban trip length changed from 7.3 miles to 10 miles

Home-based other urban trip length changed from 7.5 miles to 10 miles

Commercial-based commute urban trip length changed from 10.8 miles to 10 miles

Commercial-based non-work urban trip length changed from 7.3 miles to 10 miles

Commercial-based customer urban trip length changed from 7.3 miles to 10 miles

Table 13. URBEMIS Outputs - 2030 General Plan for the Six County Area

39745.49104

Urbemis 2007 Version 9.2.4

Detail Report for Annual Operational Unmitigated Emissions (Tons/Year)

File Name: C:\Documents and Settings\21438\My Documents\Climate Change\Sac GPU\Sac GPU Mobile.urb924

Project Name: Sacramento General Plan Mobile Baseline

Project Location: Sacramento County AQMD

On-Road Vehicle Emissions Based on: Version : Emfac2007 V2.3 Nov 1 2006

Off-Road Vehicle Emissions Based on: OFFROAD2007

OPERATIONAL EMISSION ESTIMATES (Annual Tons Per Year, Unmitigated)

Source	ROG	NOX	CO	SO2	PM10	PM25	CO2
Blank (Edit this description)	4629.56	4135.36	52281.81	134.2	23102.06	4379.78	13490804.91
TOTALS (tons/year, unmitigatec	4629.56	4135.36	52281.81	134.2	23102.06	4379.78	13490804.91

Does not include correction for passby trips

Does not include double counting adjustment for internal trips

Analysis Year: 2030 Season: Annual

Emfac: Version : Emfac2007 V2.3 Nov 1 2006

Summary of Land Uses

Land Use Type	Acreage	Trip Rate	Unit Type	No. Units	Total Trips	Total VMT
Blank (Edit this description)		100	1000 sq ft	73793.93	7379392.97	73793929.69
					7379392.97	73793929.69

Vehicle Fleet Mix

Vehicle Type	Percent Type	Non-Catalyst	Catalyst	Diesel
Light Auto	47.5	0	100	0
Light Truck < 3750 lbs	10	0	99	1
Light Truck 3751-5750 lbs	22.9	0	100	0
Med Truck 5751-8500 lbs	10.1	0	100	0
Lite-Heavy Truck 8501-10,000 lbs	2.1	0	81	19
Lite-Heavy Truck 10,001-14,000 lbs	0.9	0	55.6	44.4
Med-Heavy Truck 14,001-33,000 lbs	1.6	0	18.8	81.2
Heavy-Heavy Truck 33,001-60,000 lbs	0.4	0	0	100
Other Bus	0.1	0	0	100
Urban Bus	0	0	0	0
Motorcycle	3.5	34.3	65.7	0
School Bus	0.1	0	0	100
Motor Home	0.8	0	87.5	12.5

Travel Conditions

	Residential			Commercial		
	Home-Work	Home-Shop	Home-Other	Commute	Non-Work	Customer
Urban Trip Length (miles)	10	10	10	10	10	10
Rural Trip Length (miles)	15	10	10	15	10	10
Trip speeds (mph)	35	35	35	35	35	35
% of Trips - Residential	32.9	18	49.1			

% of Trips - Commercial (by land u

Blank (Edit this description)	2	1	97
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Operational Changes to Defaults

Home-based work urban trip length changed from 10.8 miles to 10 miles

Home-based shop urban trip length changed from 7.3 miles to 10 miles

Home-based other urban trip length changed from 7.5 miles to 10 miles

Commercial-based commute urban trip length changed from 10.8 miles to 10 miles

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